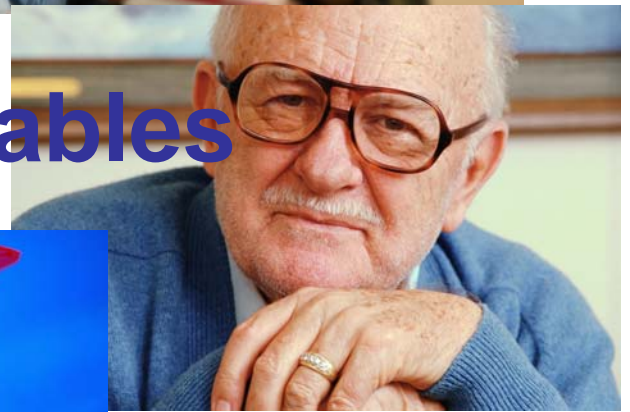


Maricopa County Health Status Report 2003



Reference Tables



Prepared by the Maricopa County Department of Public Health
Office of Epidemiology and Data Services
April 2007

Maricopa County

Acknowledgements

This report was prepared by the Maricopa County Department of Public Health, Office of Epidemiology and Data Services.

Alana Shacter, Epidemiologist
Liva Nohre, Sr. Epidemiologist
Sarah Santana, Director

The authors wish to thank the following individuals and organizations for contributing numeric data, consultation, and other information used in this report.
Their assistance is much appreciated.

Mare Schumacher, Alisa Diggs, Vjollca Berisha, Natalie Fuller – Office of Epidemiology and Data Services
Tom Mickey, Deborah Ramon – Maricopa County Department of Public Health, Division of Clinical Services
Kristina Schaller – Arizona Department of Health Services
S. Robert Bailey – Arizona Department of Health Services
Christopher Mrela – Arizona Department of Health Services

For additional copies of this report, please call the Maricopa County Department of Public Health, Office of Epidemiology and Data Services at 602.372.2604. This report may also be found at http://www.maricopa.gov/public_health/epi/ under “Health Statistics and Reports.”

Maricopa County Health Status Report 2003

Reference Tables

Table of Contents

	Introduction	i
I.	Maricopa County 2003 Population Statistics	1
Table 1.01	Population Estimates by Age, Gender, and Race/Ethnicity, 2003	2
Table 1.02	Population by Race/Ethnicity, Age, and Gender, 2003	3
II.	Maricopa County 2003 Mortality (Death) Statistics	4
Table 2.01a	Number of Deaths by Age Group and Race/Ethnicity	5
Table 2.01b	Death Rates by Age group and Race/Ethnicity, Crude Death Rate per 100,000 Residents	5
Table 2.02a	Number of Deaths by Age Group and Gender	6
Table 2.02b	Death Rates by Age Group and Gender, Crude Death Rate per 100,000 Residents	6
Table 2.03a	Selected Underlying Causes of Death by Race/Ethnicity, Number of Cases	7
Table 2.03b	Selected Underlying Causes of Death by Race/Ethnicity, Crude Death Rate per 100,000 Residents	8
Table 2.04a	Selected Underlying Causes of Death by Age Group, Number of Cases	9
Table 2.04b	Selected Underlying Causes of Death by Age Group, Crude Death Rate per 100,000 Residents	11
Table 2.05a	Selected Underlying Causes of Death by Gender, Number of Cases	13
Table 2.05b	Selected Underlying Causes of Death by Gender, Crude Death Rate per 100,000 Residents	14
Table 2.06a	Firearm Related and Drug and Alcohol Induced Deaths by Age Group, Number of Cases	15
Table 2.06b	Firearm Related and Drug and Alcohol Induced Deaths by Age Group, Crude Death Rate per 100,000 Residents	15
Table 2.07a	Firearm Related and Drug and Alcohol Induced Deaths by Race/Ethnicity, Number of Cases	16
Table 2.07b	Firearm Related and Drug and Alcohol Induced Deaths by Race/Ethnicity, Crude Death Rate per 100,000 Residents	16
Table 2.08a	Firearm Related and Drug and Alcohol Induced Deaths by Gender, Number of Cases	16
Table 2.08b	Firearm Related and Drug and Alcohol Induced Deaths by Gender, Crude Death Rate per 100,000 Residents	16
Table 2.09	Number of Deaths by Race/Ethnicity and Marital Status	17
Table 2.10	Number of Deaths by Race/Ethnicity and Education Level	17
Table 2.11	Number of Deaths by Race/Ethnicity and Gender	17
III.	Maricopa County 2003 Communicable Disease Statistics	18
Table 3.01a	Number of Cases of Selected Reportable Disease by Race/Ethnicity	19
Table 3.01b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Race/Ethnicity	20
Table 3.02a	Number of Cases of Selected Reportable Diseases by Age Group	21
Table 3.02b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Age Group	22
Table 3.03a	Number of Cases of Selected Reportable Diseases by Gender	23
Table 3.03b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Gender	24

Maricopa County Health Status Report 2003

Reference Tables

Table of Contents

IV.	Maricopa County 2003 Natality (Birth) Statistics	25
Table 4.01	Number and Percent of Births by Age and Race/Ethnicity of Mother	26
Table 4.02	Number and Percent of Births by Marital Status and Race/Ethnicity of Mother	26
Table 4.03	Number and Percent of Births by Educational Level and Race/Ethnicity of Mother	26
Table 4.04	Trimester of First Prenatal Care by Race Ethnicity of Mother	27
Table 4.05	Number and Percent of Prenatal Care Visits by Race/Ethnicity of Mother	27
Table 4.06	Adequacy of Prenatal Care by Race/Ethnicity of Mother, Singleton Births Only	27
Table 4.07	Birthweight of Infant by Race/Ethnicity of Mother	28
Table 4.08	Preterm (Less than 37 Weeks Gestation) by Race/Ethnicity of Mother	28
Table 4.09	Number and Percent of Births by Marital Status and Age Group of Mother	29
Table 4.10	Number and Percent of Births by Educational Level and Age Group of Mother	29
Table 4.11	Trimester of First Prenatal Care by Age Group of Mother	29
Table 4.12	Number and Percent of Prenatal Care Visits by Age Group of Mother	30
Table 4.13	Adequacy of Prenatal Care by Age Group of Mother, Singleton Births Only	30
Table 4.14	Birthweight of Infant by Age Group of Mother	31
Table 4.15	Preterm Births (Less Than 37 Weeks Gestation) by Age Group of Mother	31
V.	Technical Notes	32

Introduction

This report provides health status information for the year 2003 for residents of Maricopa County, Arizona. It includes data for morbidity (death), communicable diseases, and natality (birth), as well as information on the size and demographic distribution of the population.

For each disease or health indicator, the following information is provided:

- Number of cases in the county
 - Communicable Disease Example: 75 residents of Maricopa County were diagnosed with confirmed cases of Pertussis (whooping cough) in 2003.
 - Natality (Birth) Example: There were 673 infants born with a very low birthweight (less than 1500 grams) in 2003.
- Rate or percentage of cases in the county
 - Communicable Disease Example: For every 100,000 residents of Maricopa County, 2.2 were diagnosed with Pertussis in 2003.
 - Natality (Birth) Example: Among all live births in 2003, 1.1% were born with a very low birthweight.

All data in this report are for calendar year 2003.

Information on data sources and methodology are in Section V – Technical Notes.

I. Maricopa County 2003 Population Statistics

Maricopa County 2003 Population Statistics

Table 1.01 Population Estimates by Age, Gender, and Race/Ethnicity, 2003

Age by Gender

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	143,413	8.4%	137,179	8.1%	280,592	8.3%
5-9	134,090	7.9%	128,012	7.6%	262,102	7.7%
10-14	131,933	7.8%	125,327	7.4%	257,260	7.6%
15-19	116,965	6.9%	109,489	6.5%	226,454	6.7%
20-24	128,033	7.5%	115,141	6.8%	243,174	7.2%
25-34	281,679	16.6%	253,488	15.0%	535,167	15.8%
35-44	257,456	15.1%	242,468	14.4%	499,924	14.8%
45-54	203,173	11.9%	208,337	12.3%	411,510	12.1%
55-64	139,078	8.2%	151,626	9.0%	290,704	8.6%
65-74	94,066	5.5%	106,936	6.3%	201,002	5.9%
75-84	55,756	3.3%	78,108	4.6%	133,864	4.0%
85+	15,597	0.9%	31,361	1.9%	46,958	1.4%
Total	1,701,239		1,687,472		3,388,711	

Race/Ethnicity by Gender

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,054,977	57.7%	1,089,607	60.3%
Hispanic	485,702	26.6%	434,523	24.1%
African American	63,821	3.5%	61,193	3.4%
Amer. Ind., Non-Hisp.	26,551	1.5%	28,835	1.6%
Amer. Ind., Hisp.	8,646	0.5%	8,211	0.5%
Asian	40,368	2.2%	43,741	2.4%
Other/2+ Races	21,174	1.2%	21,362	1.2%
Total	1,701,239		1,687,472	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian				Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	Non-Hispanic		Hispanic		No.	%	No.	%	
							No.	%	No.	%					
0-4	129,551	6.0%	119,775	13.0%	10,022	8.0%	6,427	11.6%	1,498	8.9%	5,949	7.1%	7,370	17.3%	280,592
5-9	128,446	6.0%	103,015	11.2%	11,000	8.8%	4,986	9.0%	2,203	13.1%	5,722	6.8%	6,730	15.8%	262,102
10-14	136,722	6.4%	90,434	9.8%	12,011	9.6%	5,315	9.6%	2,169	12.9%	5,286	6.3%	5,323	12.5%	257,260
15-19	126,199	5.9%	74,501	8.1%	10,556	8.4%	4,813	8.7%	1,749	10.4%	4,605	5.5%	4,031	9.5%	226,454
20-24	126,563	5.9%	91,169	9.9%	9,602	7.7%	5,145	9.3%	1,635	9.7%	5,726	6.8%	3,334	7.8%	243,174
25-34	289,226	13.5%	187,414	20.4%	20,413	16.3%	10,604	19.1%	2,882	17.1%	19,137	22.8%	5,491	12.9%	535,167
35-44	326,644	15.2%	123,107	13.4%	20,514	16.4%	8,137	14.7%	2,383	14.1%	15,116	18.0%	4,023	9.5%	499,924
45-54	307,375	14.3%	68,968	7.5%	15,058	12.0%	5,121	9.2%	1,305	7.7%	10,757	12.8%	2,926	6.9%	411,510
55-64	237,085	11.1%	34,254	3.7%	8,140	6.5%	2,759	5.0%	613	3.6%	6,153	7.3%	1,700	4.0%	290,704
65-74	172,247	8.0%	17,565	1.9%	4,789	3.8%	1,275	2.3%	317	1.9%	3,835	4.6%	974	2.3%	201,002
75-84	121,298	5.7%	7,773	0.8%	2,176	1.7%	606	1.1%	99	0.6%	1,436	1.7%	476	1.1%	133,864
85+	43,228	2.0%	2,250	0.2%	733	0.6%	198	0.4%	4	0.0%	387	0.5%	158	0.4%	46,958
Total	2,144,584		920,225		125,014		55,386		16,857		84,109		42,536		3,388,711

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2003.

Maricopa County 2003 Population Statistics

Table 1.02 Population by Race/Ethnicity, Age, and Gender, 2003

Females Age	White		Hispanic		African American		American Indian				Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	Non-Hispanic		Hispanic		No.	%	No.	%	No.
							No.	%	No.	%					
0-4	63,163	5.8%	58,603	13.5%	4,873	8.0%	3,220	11.2%	779	9.5%	2,979	6.8%	3,562	16.7%	137,179
5-9	62,554	5.7%	50,283	11.6%	5,466	8.9%	2,452	8.5%	1,080	13.2%	2,848	6.5%	3,329	15.6%	128,012
10-14	66,471	6.1%	44,107	10.2%	5,841	9.5%	2,661	9.2%	1,112	13.5%	2,550	5.8%	2,585	12.1%	125,327
15-19	61,269	5.6%	35,536	8.2%	5,078	8.3%	2,403	8.3%	897	10.9%	2,257	5.2%	2,049	9.6%	109,489
20-24	62,647	5.7%	39,832	9.2%	4,713	7.7%	2,716	9.4%	800	9.7%	2,733	6.2%	1,700	8.0%	115,141
25-29	65,497	6.0%	44,459	10.2%	4,547	7.4%	2,902	10.1%	664	8.1%	4,415	10.1%	1,467	6.9%	123,951
30-34	75,819	7.0%	38,916	9.0%	4,984	8.1%	2,627	9.1%	650	7.9%	5,202	11.9%	1,339	6.3%	129,537
35-39	75,715	6.9%	31,451	7.2%	4,858	7.9%	2,171	7.5%	563	6.9%	4,187	9.6%	1,067	5.0%	120,012
40-44	85,158	7.8%	25,098	5.8%	4,936	8.1%	2,060	7.1%	516	6.3%	3,712	8.5%	976	4.6%	122,456
45-49	81,515	7.5%	19,056	4.4%	4,082	6.7%	1,636	5.7%	358	4.4%	3,259	7.5%	835	3.9%	110,741
50-54	75,151	6.9%	14,172	3.3%	3,307	5.4%	1,240	4.3%	254	3.1%	2,805	6.4%	667	3.1%	97,596
55-59	67,475	6.2%	10,260	2.4%	2,227	3.6%	879	3.0%	169	2.1%	2,027	4.6%	528	2.5%	83,565
60-64	56,355	5.2%	7,208	1.7%	1,871	3.1%	647	2.2%	132	1.6%	1,479	3.4%	369	1.7%	68,061
65-69	47,167	4.3%	5,464	1.3%	1,486	2.4%	462	1.6%	109	1.3%	1,279	2.9%	278	1.3%	56,245
70-74	44,094	4.0%	4,027	0.9%	1,089	1.8%	269	0.9%	63	0.8%	920	2.1%	229	1.1%	50,691
75+	99,557	9.1%	6,051	1.4%	1,835	3.0%	490	1.7%	65	0.8%	1,089	2.5%	382	1.8%	109,469
Total	1,089,607		434,523		61,193		28,835		8,211		43,741		21,362		1,687,472
Males															
0-4	66,388	6.3%	61,172	12.6%	5,149	8.1%	3,207	12.1%	719	8.3%	2,970	7.4%	3,808	18.0%	143,413
5-9	65,892	6.2%	52,732	10.9%	5,534	8.7%	2,534	9.5%	1,123	13.0%	2,874	7.1%	3,401	16.1%	134,090
10-14	70,251	6.7%	46,327	9.5%	6,170	9.7%	2,654	10.0%	1,057	12.2%	2,736	6.8%	2,738	12.9%	131,933
15-19	64,930	6.2%	38,965	8.0%	5,478	8.6%	2,410	9.1%	852	9.9%	2,348	5.8%	1,982	9.4%	116,965
20-24	63,916	6.1%	51,337	10.6%	4,889	7.7%	2,429	9.1%	835	9.7%	2,993	7.4%	1,634	7.7%	128,033
25-29	67,695	6.4%	56,676	11.7%	5,193	8.1%	2,671	10.1%	867	10.0%	4,518	11.2%	1,437	6.8%	139,057
30-34	80,215	7.6%	47,363	9.8%	5,689	8.9%	2,404	9.1%	701	8.1%	5,002	12.4%	1,248	5.9%	142,622
35-39	79,027	7.5%	37,662	7.8%	5,158	8.1%	2,136	8.0%	753	8.7%	3,923	9.7%	1,027	4.9%	129,686
40-44	86,744	8.2%	28,896	5.9%	5,562	8.7%	1,770	6.7%	551	6.4%	3,294	8.2%	953	4.5%	127,770
45-49	80,156	7.6%	20,852	4.3%	4,356	6.8%	1,241	4.7%	422	4.9%	2,665	6.6%	809	3.8%	110,501
50-54	70,553	6.7%	14,888	3.1%	3,313	5.2%	1,004	3.8%	271	3.1%	2,028	5.0%	615	2.9%	92,672
55-59	62,987	6.0%	10,083	2.1%	2,399	3.8%	762	2.9%	197	2.3%	1,484	3.7%	448	2.1%	78,360
60-64	50,268	4.8%	6,703	1.4%	1,643	2.6%	471	1.8%	115	1.3%	1,163	2.9%	355	1.7%	60,718
65-69	42,209	4.0%	4,751	1.0%	1,336	2.1%	327	1.2%	83	1.0%	996	2.5%	264	1.2%	49,966
70-74	38,777	3.7%	3,323	0.7%	878	1.4%	217	0.8%	62	0.7%	640	1.6%	203	1.0%	44,100
75+	64,969	6.2%	3,972	0.8%	1,074	1.7%	314	1.2%	38	0.4%	734	1.8%	252	1.2%	71,353
Total	1,054,977		485,702		63,821		26,551		8,646		40,368		21,174		1,701,239

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2003.

II. Maricopa County 2003 Mortality (Death) Statistics

Maricopa County 2003 Mortality (Death) Statistics

Table 2.01a Number of Deaths by Age Group and Race/Ethnicity

Age Group	Race/Ethnicity							Total
	White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/ Unknown	
<1	129	185	29	12	7	7	0	369
1-4	36	35	8	3	0	1	0	83
5-9	10	11	3	1	1	0	0	26
10-14	26	17	5	0	1	0	0	49
15-19	58	77	13	12	3	3	0	166
20-24	115	105	15	6	4	2	0	247
25-34	261	194	29	29	6	9	0	528
35-44	657	214	80	40	7	12	2	1,012
45-54	1,263	280	110	45	9	22	4	1,733
55-64	1,948	254	109	37	2	27	6	2,383
65-74	3,192	332	140	46	2	35	2	3,749
75-84	6,139	413	145	41	1	58	2	6,799
85+	5,971	240	106	21	3	28	1	6,370
Unknown	13	7	2	0	0	0	13	35
Total	19,818	2,364	794	293	46	204	30	23,549

Table 2.01b Death Rates by Age Group and Race/Ethnicity
Crude Death Rate per 100,000 Residents

Age Group	Race/Ethnicity							Total
	White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/ Unknown	
0-4	127.4	183.7	369.2	233.4	467.3	134.5	-	161.1
5-9	7.8	10.7	27.3	20.1	45.4	0	-	9.9
10-14	19.0	18.8	41.6	0	46.1	0	-	19.0
15-19	46.0	103.4	123.2	249.3	171.5	65.1	-	73.3
20-24	90.9	115.2	156.2	116.6	244.6	34.9	-	101.6
25-34	90.2	103.5	142.1	273.5	208.2	47.0	-	98.7
35-44	201.1	173.8	390.0	491.6	293.7	79.4	-	202.4
45-54	410.9	406.0	730.5	878.7	689.7	204.5	-	421.1
55-64	821.6	741.5	1,339.1	1,341.1	326.3	438.8	-	819.7
65-74	1,853.2	1,890.1	2,923.4	3,607.8	630.9	912.6	-	1,865.2
75-84	5,061.1	5,313.3	6,663.6	6,765.7	1,010.1	4,039.0	-	5,079.0
85+	13,812.8	10,666.7	14,461.1	10,606.1	75,000.0	7,235.1	-	13,565.3
Unknown	-	-	-	-	-	-	-	-
Total	924.1	256.9	635.1	529.0	272.9	242.5	-	694.9

Maricopa County 2003 Mortality (Death) Statistics

Table 2.02a Number of Deaths by Age Group and Gender

Age Group	Gender		Total
	Male	Female	
<1	209	160	369
1-4	40	43	83
5-9	17	9	26
10-14	31	18	49
15-19	123	43	166
20-24	201	46	247
25-34	379	149	528
35-44	696	316	1,012
45-54	1,128	605	1,733
55-64	1,440	943	2,383
65-74	2,112	1,637	3,749
75-84	3,426	3,373	6,799
85+	2,368	4,002	6,370
Unknown	30	5	35
Total	12,200	11,349	23,549

Table 2.02b Death Rates by Age Group and Gender
Crude Death Rate per 100,000 Residents

Age Group	Gender		Total
	Male	Female	
0-4	173.6	148.0	161.1
5-9	12.7	7.0	9.9
10-14	23.5	14.4	19.0
15-19	105.2	39.3	73.3
20-24	157.0	40.0	101.6
25-34	134.6	58.8	98.7
35-44	270.3	130.3	202.4
45-54	555.2	290.4	421.1
55-64	1,035.4	621.9	819.7
65-74	2,245.2	1,530.8	1,865.2
75-84	6,144.6	4,318.4	5,079.0
85+	15,182.4	12,761.1	13,565.3
Unknown	-	-	-
Total	717.1	672.5	694.9

Maricopa County 2003 Mortality (Death) Statistics

**Table 2.03a Selected Underlying Causes of Death by Race/Ethnicity
Number of Cases**

Cause		Race/Ethnicity							Total
		White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/Unknown	
Infectious Diseases	Tuberculosis	4	0	0	0	0	1	0	5
	Syphilis	0	0	0	0	0	0	0	0
	HIV	71	32	10	3	1	2	0	119
Cancer	Stomach	63	19	3	1	0	1	0	87
	Colon	501	41	21	2	2	3	0	570
	Pancreas	226	26	10	0	0	5	0	267
	Lung	1,323	70	38	7	0	9	1	1,448
	Breast	304	31	17	6	0	6	0	364
	Uterine & Ovarian	185	22	5	4	1	8	0	225
	Prostate	258	18	5	1	0	1	0	283
	Urinary	222	10	6	4	0	2	0	244
	Lymphoma	197	11	3	2	0	3	0	216
	Leukemia	189	23	4	2	1	1	0	220
	Other	1,041	129	39	4	1	20	2	1,236
	All Cancer	4,509	400	151	33	5	59	3	5,160
Diabetes and Alzheimer's	Diabetes	453	88	45	18	2	5	0	611
	Alzheimer's	1,026	45	26	2	0	4	0	1,103
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	247	18	25	2	0	3	297
		Ischemic Heart Disease	4,278	296	157	39	1	28	4,801
		Other Heart Disease	756	68	26	8	3	3	868
		All Heart Disease	5,281	382	208	49	4	34	5,966
	Other Cardiovascular	Primary Hypertension	193	15	12	1	0	3	224
		Cerebrovascular	1,125	127	38	6	1	16	1,313
		Atherosclerosis	107	6	3	0	0	0	116
		Other Circulatory	177	13	1	1	0	1	193
		All Other Cardiovascular	1,602	161	54	8	1	20	1,846
Other Respiratory Diseases	Influenza & Pneumonia	534	54	21	9	3	6	1	628
	Chronic Lower Respiratory	1,273	58	15	6	0	5	0	1,357
GI & Urinary	Peptic Ulcer	28	0	0	0	0	1	0	29
	Liver Disease	226	68	2	19	6	1	1	323
	Nephritis	200	30	17	9	2	5	0	263
Pregnancy & Early Life	Pregnancy	2	0	0	0	0	0	0	2
	Perinatal Conditions	63	87	16	2	2	2	0	172
	Congenital Malformations	65	48	5	3	1	2	0	124
	SIDS	8	4	1	1	0	0	0	14
Other Diseases	Symptoms, Signs	254	46	7	5	0	2	1	315
	Other Diseases	2,666	320	93	63	3	27	3	3,175
External Causes	Motor Vehicle Collisions	284	148	19	23	6	12	1	493
	All Other Accidents	638	105	38	13	2	7	3	806
	Suicide	355	62	18	7	1	3	1	447
	Homicide	78	171	40	15	4	5	6	319
	Other External Causes	50	18	0	2	0	0	0	70
	All External Causes	1,405	504	115	60	13	27	11	2,135
Unknown		148	37	8	3	3	1	2	202
Total		19,818	2,364	794	293	46	204	30	23,549

Maricopa County 2003 Mortality (Death) Statistics

Table 2.03b Selected Underlying Causes of Death by Race/Ethnicity
Crude Death Rate per 100,000 Residents

Cause		Race/Ethnicity							Total	
		White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/ Unknown		
Infectious Diseases	Tuberculosis	0.2	0	0	0	0	1.2	-	0.1	
	Syphilis	0	0	0	0	0	0	-	0	
	HIV	3.3	3.5	8.0	5.4	5.9	2.4	-	3.5	
Cancer	Stomach	2.9	2.1	2.4	1.8	0	1.2	-	2.6	
	Colon	23.4	4.5	16.8	3.6	11.9	3.6	-	16.8	
	Pancreas	10.5	2.8	8.0	0	0	5.9	-	7.9	
	Lung	61.7	7.6	30.4	12.6	0	10.7	-	42.7	
	Breast	14.2	3.4	13.6	10.8	0	7.1	-	10.7	
	Uterine & Ovarian ¹	17.0	5.1	8.2	13.9	12.2	18.3	-	13.3	
	Prostate ¹	24.5	3.7	7.8	3.8	0	2.5	-	16.6	
	Urinary	10.4	1.1	4.8	7.2	0	2.4	-	7.2	
	Lymphoma	9.2	1.2	2.4	3.6	0	3.6	-	6.4	
	Leukemia	8.8	2.5	3.2	3.6	5.9	1.2	-	6.5	
	Other	48.5	14.0	31.2	7.2	5.9	23.8	-	36.5	
	All Cancer	210.3	43.5	120.8	59.6	29.7	70.1	-	152.3	
	Diabetes and Alzheimer's	Diabetes	21.1	9.6	36.0	32.5	11.9	5.9	-	18.0
Alzheimer's		47.8	4.9	20.8	3.6	0	4.8	-	32.5	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	11.5	2.0	20.0	3.6	0	3.6	-	8.8
		Ischemic Heart Disease	199.5	32.2	125.6	70.4	5.9	33.3	-	141.7
		Other Heart Disease	35.3	7.4	20.8	14.4	17.8	3.6	-	25.6
		All Heart Disease	246.2	41.5	166.4	88.5	23.7	40.4	-	176.1
	Other Cardio-vascular	Primary Hypertension	9.0	1.6	9.6	1.8	0	3.6	-	6.6
		Cerebrovascular	52.5	13.8	30.4	10.8	5.9	19.0	-	38.7
		Atherosclerosis	5.0	0.7	2.4	0	0	0	-	3.4
		Other Circulatory	8.3	1.4	0.8	1.8	0	1.2	-	5.7
		All Other Cardiovascular	74.7	17.5	43.2	14.4	5.9	23.8	-	54.5
Other Respiratory Diseases	Influenza & Pneumonia	24.9	5.9	16.8	16.2	17.8	7.1	-	18.5	
	Chronic Lower Respiratory	59.4	6.3	12.0	10.8	0	5.9	-	40.0	
GI & Urinary	Peptic Ulcer	1.3	0	0	0	0	1.2	-	0.9	
	Liver Disease	10.5	7.4	1.6	34.3	35.6	1.2	-	9.5	
	Nephritis	9.3	3.3	13.6	16.2	11.9	5.9	-	7.8	
Pregnancy & Early Life	Pregnancy	0.1	0	0	0	0	0	-	0.1	
	Perinatal Conditions	2.9	9.5	12.8	3.6	11.9	2.4	-	5.1	
	Congenital Malformations	3.0	5.2	4.0	5.4	5.9	2.4	-	3.7	
	SIDS	0.4	0.4	0.8	1.8	0	0	-	0.4	
Other Diseases	Symptoms, Signs	11.8	5.0	5.6	9.0	0	2.4	-	9.3	
	Other Diseases	124.3	34.8	74.4	113.7	17.8	32.1	-	93.7	
External Causes	Motor Vehicle Collisions	13.2	16.1	15.2	41.5	35.6	14.3	-	14.5	
	All Other Accidents	29.7	11.4	30.4	23.5	11.9	8.3	-	23.8	
	Suicide	16.6	6.7	14.4	12.6	5.9	3.6	-	13.2	
	Homicide	3.6	18.6	32.0	27.1	23.7	5.9	-	9.4	
	Other External Causes	2.3	2.0	0	3.6	0	0	-	2.1	
	All External Causes	65.5	54.8	92.0	108.3	77.1	32.1	-	63.0	
Unknown		6.9	4.0	6.4	5.4	17.8	1.2	-	6.0	
Total		924.1	256.9	635.1	529.0	272.9	242.5	-	694.9	

¹ Uterine & ovarian cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

Maricopa County 2003 Mortality (Death) Statistics

**Table 2.04a Selected Underlying Causes of Death by Age Group
Number of Cases**

Cause		Age Group														Total	
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.		
Infectious Diseases	Tuberculosis	0	0	0	0	0	0	0	0	0	2	2	1	0	0	5	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	HIV	0	0	0	0	1	0	14	48	40	11	3	2	0	0	119	
Cancer	Stomach	0	0	0	0	1	0	3	0	10	10	17	35	11	0	87	
	Colon	0	0	0	0	0	0	7	10	50	76	135	175	117	0	570	
	Pancreas	0	0	0	0	0	0	0	1	25	43	67	94	37	0	267	
	Lung	0	0	0	0	0	0	3	23	101	289	461	436	135	0	1,448	
	Breast	0	0	0	0	0	0	3	23	43	82	76	92	45	0	364	
	Uterine & Ovarian	0	0	0	0	0	0	5	11	32	48	46	58	25	0	225	
	Prostate	0	0	0	0	0	0	0	1	3	17	44	120	98	0	283	
	Urinary	0	1	0	0	0	0	0	3	12	38	53	91	46	0	244	
	Lymphoma	0	0	0	0	0	0	2	9	16	26	48	80	35	0	216	
	Leukemia	0	2	3	0	2	3	5	6	12	25	46	74	42	0	220	
	Other	0	5	7	3	2	2	22	42	142	224	301	327	158	1	1,236	
	All Cancer	0	8	10	3	5	5	50	129	446	878	1,294	1,582	749	1	5,160	
	Diabetes and Alzheimer's	Diabetes	0	0	0	1	0	0	7	21	54	100	130	188	110	0	611
		Alzheimer's	0	0	0	0	0	0	0	0	3	6	67	365	662	0	1,103
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0	0	0	1	12	37	29	52	84	82	0	297
		Ischemic Heart Disease	0	0	0	0	1	0	9	54	216	411	747	1,571	1,792	0	4,801
		Other Heart Disease	10	2	1	2	3	6	14	36	64	78	107	261	283	1	868
		All Heart Disease	10	2	1	2	4	6	24	102	317	518	906	1,916	2,157	1	5,966
		Primary Hypertension	0	0	0	0	0	1	1	7	7	22	36	73	77	0	224
	Other Cardio-vascular	Cerebrovascular	0	2	0	1	3	1	6	19	30	75	179	447	550	0	1,313
		Atherosclerosis	0	0	0	0	0	0	0	0	0	5	8	48	55	0	116
		Other Circulatory	0	0	0	0	1	0	0	3	12	16	42	63	56	0	193
		All Other Cardiovascular	0	2	0	1	4	2	7	29	49	118	265	631	738	0	1,846

(Continued)

Maricopa County 2003 Mortality (Death) Statistics

Cause		Age Group														Total
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.	
Other Respiratory Diseases	Influenza & Pneumonia	14	2	0	0	1	0	3	23	21	41	67	193	262	1	628
	Chronic Lower Respiratory	1	2	0	1	1	1	5	10	27	119	306	564	319	1	1,357
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	0	2	1	2	3	10	11	0	29
	Liver Disease	0	0	0	0	0	0	8	42	102	65	58	39	9	0	323
	Nephritis	1	0	0	0	1	1	4	5	21	30	52	79	69	0	263
Pregnancy & Early Life	Pregnancy	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
	Perinatal Conditions	170	1	0	0	0	0	0	1	0	0	0	0	0	0	172
	Congenital Malformations	79	10	0	3	1	0	5	4	7	6	5	2	2	0	124
	SIDS	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Other Diseases	Symptoms, Signs	16	6	2	2	2	7	21	28	33	16	10	61	107	4	315
	Other Diseases	29	20	4	14	21	14	42	140	285	308	447	915	934	2	3,175
External Causes	Motor Vehicle Collisions	3	4	6	16	52	66	78	108	66	36	15	27	15	1	493
	All Other Accidents	8	19	1	2	19	35	61	114	109	41	66	146	181	4	806
	Suicide	0	0	0	3	21	43	87	108	70	42	27	31	14	1	447
	Homicide	8	4	0	0	31	58	90	61	39	10	5	3	0	10	319
	Other External Causes	0	0	0	1	1	4	10	18	23	6	1	5	1	0	70
	All External Causes	19	27	7	22	124	206	326	409	307	135	114	212	211	16	2,135
Unknown		16	3	2	0	1	5	11	18	20	28	20	39	30	9	202
Total		369	83	26	49	166	247	528	1,012	1,733	2,383	3,749	6,799	6,370	35	23,549

Maricopa County 2003 Mortality (Death) Statistics

Table 2.04b Selected Underlying Causes of Death by Age Group
Crude Death Rate per 100,000 Residents

Cause		Age Group													Total	
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.		
Infectious Diseases	Tuberculosis	0	0	0	0	0	0	0	0	0.7	1.0	0.7	0	-	0.1	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	-	0	
	HIV	0	0	0	0.4	0	2.6	9.6	9.7	3.8	1.5	1.5	0	-	3.5	
Cancer	Stomach	0	0	0	0.4	0	0.6	0	2.4	3.4	8.5	26.1	23.4	-	2.6	
	Colon	0	0	0	0	0	1.3	2.0	12.2	26.1	67.2	130.7	249.2	-	16.8	
	Pancreas	0	0	0	0	0	0	0.2	6.1	14.8	33.3	70.2	78.8	-	7.9	
	Lung	0	0	0	0	0	0.6	4.6	24.5	99.4	229.4	325.7	287.5	-	42.7	
	Breast	0	0	0	0	0	0.6	4.6	10.4	28.2	37.8	68.7	95.8	-	10.7	
	Uterine & Ovarian ¹	0	0	0	0	0	2.0	4.5	15.4	31.7	43.0	74.3	79.7	-	13.3	
	Prostate ¹	0	0	0	0	0	0	0.4	1.5	12.2	46.8	215.2	628.3	-	16.6	
	Urinary	0.4	0	0	0	0	0	0.6	2.9	13.1	26.4	68.0	98.0	-	7.2	
	Lymphoma	0	0	0	0	0	0.4	1.8	3.9	8.9	23.9	59.8	74.5	-	6.4	
	Leukemia	0.7	1.1	0	0.9	1.2	0.9	1.2	2.9	8.6	22.9	55.3	89.4	-	6.5	
	Other	1.8	2.7	1.2	0.9	0.8	4.1	8.4	34.5	77.1	149.7	244.3	336.5	-	36.5	
	All Cancer	2.9	3.8	1.2	2.2	2.1	9.3	25.8	108.4	302.0	643.8	1,181.8	1,595.0	-	152.3	
	Diabetes and Alzheimer's	Diabetes	0	0	0.4	0	0	1.3	4.2	13.1	34.4	64.7	140.4	234.3	-	18.0
		Alzheimer's	0	0	0	0	0	0	0	0.7	2.1	33.3	272.7	1,409.8	-	32.5
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0	0	0.2	2.4	9.0	10.0	25.9	62.8	174.6	-	8.8
		Ischemic Heart Disease	0	0	0	0.4	0	1.7	10.8	52.5	141.4	371.6	1,173.6	3,816.2	-	141.7
		Other Heart Disease	4.3	0.4	0.8	1.3	2.5	2.6	7.2	15.6	26.8	53.2	195.0	602.7	-	25.6
		All Heart Disease	4.3	0.4	0.8	1.8	2.5	4.5	20.4	77.0	178.2	450.7	1,431.3	4,593.5	-	176.1
		Primary Hypertension	0	0	0	0	0.4	0.2	1.4	1.7	7.6	17.9	54.5	164.0	-	6.6
	Other Cardio-vascular	Cerebrovascular	0.7	0	0.4	1.3	0.4	1.1	3.8	7.3	25.8	89.1	333.9	1,171.3	-	38.7
		Atherosclerosis	0	0	0	0	0	0	0	1.7	4.0	35.9	117.1	-	3.4	
		Other Circulatory	0	0	0	0.4	0	0	0.6	2.9	5.5	20.9	47.1	119.3	-	5.7
		All Other Cardiovascular	0.7	0	0.4	1.8	0.8	1.3	5.8	11.9	40.6	131.8	471.4	1,571.6	-	54.5

(Continued)

Maricopa County 2003 Mortality (Death) Statistics

Cause		Age Group													Total
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.	
Other Respiratory Diseases	Influenza & Pneumonia	5.7	0	0	0.4	0	0.6	4.6	5.1	14.1	33.3	144.2	557.9	-	18.5
	Chronic Lower Respiratory	1.1	0	0.4	0.4	0.4	0.9	2.0	6.6	40.9	152.2	421.3	679.3	-	40.0
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	0.4	0.2	0.7	1.5	7.5	23.4	-	0.9
	Liver Disease	0	0	0	0	0	1.5	8.4	24.8	22.4	28.9	29.1	19.2	-	9.5
	Nephritis	0.4	0	0	0.4	0.4	0.7	1.0	5.1	10.3	25.9	59.0	146.9	-	7.8
Pregnancy & Early Life	Pregnancy	0	0	0	0	0	0.2	0.2	0	0	0	0	0	-	0.1
	Perinatal Conditions	60.9	0	0	0	0	0	0.2	0	0	0	0	0	-	5.1
	Congenital Malformations	31.7	0	1.2	0.4	0	0.9	0.8	1.7	2.1	2.5	1.5	4.3	-	3.7
	SIDS	5.0	0	0	0	0	0	0	0	0	0	0	0	-	0.4
Other Diseases	Symptoms, Signs	7.8	0.8	0.8	0.9	2.9	3.9	5.6	8.0	5.5	5.0	45.6	227.9	-	9.3
	Other Diseases	17.5	1.5	5.4	9.3	5.8	7.8	28.0	69.3	105.9	222.4	683.5	1,989.0	-	93.7
External Causes	Motor Vehicle Collisions	2.5	2.3	6.2	23.0	27.1	14.6	21.6	16.0	12.4	7.5	20.2	31.9	-	14.5
	All Other Accidents	9.6	0.4	0.8	8.4	14.4	11.4	22.8	26.5	14.1	32.8	109.1	385.5	-	23.8
	Suicide	0	0	1.2	9.3	17.7	16.3	21.6	17.0	14.4	13.4	23.2	29.8	-	13.2
	Homicide	4.3	0	0	13.7	23.9	16.8	12.2	9.5	3.4	2.5	2.2	0	-	9.4
	Other External Causes	0	0	0.4	0.4	1.6	1.9	3.6	5.6	2.1	0.5	3.7	2.1	-	2.1
	All External Causes	16.4	2.7	8.6	54.8	84.7	60.9	81.8	74.6	46.4	56.7	158.4	449.3	-	63.0
Unknown		6.8	0.8	0	0.4	2.1	2.1	3.6	4.9	9.6	10.0	29.1	63.9	-	6.0
Total		161.1	9.9	19.0	73.3	101.6	98.7	202.4	421.1	819.7	1,865.2	5,079.0	13,565.3	-	694.9

¹ Uterine & ovarian cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

Maricopa County 2003 Mortality (Death) Statistics

**Table 2.05a Selected Underlying Causes of Death by Gender
Number of Cases**

Cause		Gender		Total	
		Male	Female		
Infectious Diseases	Tuberculosis	3	2	5	
	Syphilis	0	0	0	
	HIV	109	10	119	
Cancer	Stomach	54	33	87	
	Colon	301	269	570	
	Pancreas	135	132	267	
	Lung	823	625	1,448	
	Breast	1	363	364	
	Uterine & Ovarian	0	225	225	
	Prostate	283	0	283	
	Urinary	167	77	244	
	Lymphoma	107	109	216	
	Leukemia	118	102	220	
	Other	760	476	1,236	
	All Cancer	2,749	2,411	5,160	
	Diabetes and Alzheimer's	Diabetes	313	298	611
		Alzheimer's	344	759	1,103
	Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	147	150
Ischemic Heart Disease			2,538	2,263	4,801
Other Heart Disease			434	434	868
All Heart Disease			3,119	2,847	5,966
Other Cardiovascular			Primary Hypertension	91	133
		Cerebrovascular	510	803	1,313
		Atherosclerosis	58	58	116
		Other Circulatory	121	72	193
		All Other Cardiovascular	780	1,066	1,846
Other Respiratory Diseases		Influenza & Pneumonia	323	305	628
	Chronic Lower Respiratory	655	702	1,357	
GI & Urinary	Peptic Ulcer	14	15	29	
	Liver Disease	224	99	323	
	Nephritis	138	125	263	
Pregnancy & Early Life	Pregnancy	0	2	2	
	Perinatal Conditions	103	69	172	
	Congenital Malformations	67	57	124	
	SIDS	9	5	14	
Other Diseases	Symptoms, Signs	133	182	315	
	Other Diseases	1,481	1,694	3,175	
External Causes	Motor Vehicle Collisions	338	155	493	
	All Other Accidents	504	302	806	
	Suicide	361	86	447	
	Homicide	264	55	319	
	Other External Causes	56	14	70	
	All External Causes	1,523	612	2,135	
Unknown		113	89	202	
Total		12,200	11,349	23,549	

Maricopa County 2003 Mortality (Death) Statistics

Table 2.05b Selected Underlying Causes of Death by Gender
Crude Death Rate per 100,000 Residents

Cause			Gender		Total
			Male	Female	
Infectious Diseases	Tuberculosis		0.2	0.1	0.1
	Syphilis		0	0	0
	HIV		6.4	0.6	3.5
Cancer	Stomach		3.2	2.0	2.6
	Colon		17.7	15.9	16.8
	Pancreas		7.9	7.8	7.9
	Lung		48.4	37.0	42.7
	Breast		0.1	21.5	10.7
	Uterine & Ovarian ¹		-	13.3	13.3
	Prostate ¹		16.6	-	16.6
	Urinary		9.8	4.6	7.2
	Lymphoma		6.3	6.5	6.4
	Leukemia		6.9	6.0	6.5
	Other		44.7	28.2	36.5
	All Cancer		161.6	142.9	152.3
Diabetes and Alzheimer's	Diabetes		18.4	17.7	18.0
	Alzheimer's		20.2	45.0	32.5
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	8.6	8.9	8.8
		Ischemic Heart Disease	149.2	134.1	141.7
		Other Heart Disease	25.5	25.7	25.6
		All Heart Disease	183.3	168.7	176.1
	Other Cardiovascular	Primary Hypertension	5.3	7.9	6.6
		Cerebrovascular	30.0	47.6	38.7
		Atherosclerosis	3.4	3.4	3.4
		Other Circulatory	7.1	4.3	5.7
		All Other Cardiovascular	45.8	63.2	54.5
Other Respiratory Diseases		Influenza & Pneumonia	19.0	18.1	18.5
		Chronic Lower Respiratory	38.5	41.6	40.0
GI & Urinary	Peptic Ulcer		0.8	0.9	0.9
	Liver Disease		13.2	5.9	9.5
	Nephritis		8.1	7.4	7.8
Pregnancy & Early Life	Pregnancy		0.0	0.1	0.1
	Perinatal Conditions		6.1	4.1	5.1
	Congenital Malformations		3.9	3.4	3.7
	SIDS		0.5	0.3	0.4
Other Diseases		Symptoms, Signs	7.8	10.8	9.3
		Other Diseases	87.1	100.4	93.7
External Causes	Motor Vehicle Collisions		19.9	9.2	14.5
	All Other Accidents		29.6	17.9	23.8
	Suicide		21.2	5.1	13.2
	Homicide		15.5	3.3	9.4
	Other External Causes		3.3	0.8	2.1
	All External Causes		89.5	36.3	63.0
Unknown			6.6	5.3	6.0
Total			717.1	672.5	694.9

¹ Uterine & ovarian cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

Maricopa County 2003 Mortality (Death) Statistics

**Table 2.06a Firearm, Drug, and Alcohol Induced Deaths by Age Group
Number of Cases**

Age Group	Firearm Induced	Drug Induced	Alcohol Induced
0-9	0	0	0
10-14	2	0	0
15-19	38	6	3
20-24	83	17	0
25-34	123	55	9
35-44	96	129	59
45-54	68	104	98
55-64	35	28	65
65-74	22	5	31
75-84	27	8	15
85+	11	3	4
Unknown	8	2	1
Total	513	357	285

**Table 2.06b Firearm, Drug, and Alcohol Induced Deaths by Age Group
Crude Death Rate per 100,000 Residents**

Age Group	Firearm Induced	Drug Induced	Alcohol Induced
0-9	0	0	0
10-14	0.8	0	0
15-19	16.8	2.6	1.3
20-24	34.1	7.0	0
25-34	23.0	10.3	1.7
35-44	19.2	25.8	11.8
45-54	16.5	25.3	23.8
55-64	12.0	9.6	22.4
65-74	10.9	2.5	15.4
75-84	20.2	6.0	11.2
85+	23.4	6.4	8.5
Unknown	-	-	-
Total	15.1	10.5	8.4

Note: Firearm, drug, and alcohol induced and related deaths are also included in other categories, e.g., suicide, homicide or unintentional injuries.

Maricopa County 2003 Mortality (Death) Statistics

**Table 2.07a Firearm, Drug, and Alcohol Induced Deaths by Race/Ethnicity
Number of Cases**

Race/Ethnicity	Firearm Induced	Drug Induced	Alcohol Induced
White	279	267	193
Hispanic	180	53	47
African American	36	27	6
American Indian, Non-Hispanic	9	4	31
American Indian, Hispanic	3	3	5
Asian	2	0	0
Other/Unknown	4	3	3
Total	513	357	285

**Table 2.07b Firearm, Drug, and Alcohol Induced Deaths by Race/Ethnicity
Crude Death Rate per 100,000 Residents**

Race/Ethnicity	Firearm Induced	Drug Induced	Alcohol Induced
White	13.0	12.4	9.0
Hispanic	19.6	5.8	5.1
African American	28.8	21.6	4.8
American Indian, Non-Hispanic	16.2	7.2	56.0
American Indian, Hispanic	17.8	17.8	29.7
Asian	2.4	0	0
Other/Unknown	-	-	-
Total	15.1	10.5	8.4

**Table 2.08a Firearm, Drug, and Alcohol Induced Deaths by Gender
Number of Cases**

Gender	Firearm Induced	Drug Induced	Alcohol Induced
Male	441	256	214
Female	72	101	71
Total	513	357	285

**Table 2.08b Firearm, Drug, and Alcohol Induced Deaths by Gender
Crude Death Rate per 100,000 Residents**

Gender	Firearm Induced	Drug Induced	Alcohol Induced
Male	25.9	15.0	12.6
Female	4.3	6.0	4.2
Total	15.1	10.5	8.4

Note: Firearm, drug, and alcohol induced and related deaths are also included in other categories, e.g., suicide, homicide or unintentional injuries.

Maricopa County 2003 Mortality (Death) Statistics

Table 2.09 Number and Percent of Deaths by Race/Ethnicity and Marital Status

Marital Status	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/ Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Never Married	1,522	7.7	765	32.4	182	22.9	116	39.6	25	54.3	22	10.8	0	0	2,632	11.2
Married	8,298	41.9	830	35.1	248	31.2	72	24.6	9	19.6	124	60.8	0	0	9,581	40.7
Widowed	7,207	36.4	460	19.5	193	24.3	52	17.7	5	10.9	38	18.6	0	0	7,955	33.8
Divorced	2,632	13.3	280	11.8	154	19.4	49	16.7	7	15.2	20	9.8	2	6.7	3,144	13.4
Unknown	159	0.8	29	1.2	17	2.1	4	1.4	0	0	0	0	28	93.3	237	1.0
Total	19,818		2,364		794		293		46		204		30		23,549	

Table 2.10 Number and Percent of Deaths by Race/Ethnicity and Education Level

Educational Level	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/ Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	208	1.0	321	13.6	45	5.7	19	6.5	8	17.4	18	8.8	1	3.3	620	2.6
Grade 1-6	383	1.9	510	21.6	48	6.0	17	5.8	2	4.3	11	5.4	0	0	971	4.1
Some HS	2,932	14.8	622	26.3	144	18.1	107	36.5	21	45.7	19	9.3	0	0	3,845	16.3
HS Grad	8,085	40.8	551	23.3	265	33.4	81	27.6	10	21.7	66	32.4	0	0	9,058	38.5
Some College	4,123	20.8	179	7.6	167	21.0	49	16.7	3	6.5	32	15.7	0	0	4,553	19.3
College Grad	2,223	11.2	64	2.7	60	7.6	10	3.4	2	4.3	25	12.3	0	0	2,384	10.1
Graduate School	1,501	7.6	29	1.2	29	3.7	4	1.4	0	0	27	13.2	0	0	1,590	6.8
Unknown	363	1.8	88	3.7	36	4.5	6	2.0	0	0	6	2.9	29	96.7	528	2.2
Total	19,818		2,364		794		293		46		204		30		23,549	

Table 2.11 Number and Percent of Deaths by Race/Ethnicity and Gender

Gender	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/ Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Male	10,051	50.7	1,412	59.7	439	55.3	156	53.2	19	41.3	95	46.6	28	93.3	12,200	51.8
Female	9,767	49.3	952	40.3	355	44.7	137	46.8	27	58.7	109	53.4	2	6.7	11,349	48.2
Total	19,818		2,364		794		293		46		204		30		23,549	

III. Maricopa County 2003 Communicable Disease Statistics

Maricopa County 2003 Communicable Disease Statistics

Table 3.01a Number of Cases of Selected Reportable Diseases by Race/Ethnicity

Disease		Race/Ethnicity							Total
		White	Hisp.	Black	Amer Ind. Non-Hisp.	Amer Ind. Hisp.	Asian	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	25	3	3	3	0	0	10	44
	Measles	0	0	0	0	0	1	0	1
	Mumps	1	0	0	0	0	0	0	1
	Pertussis	32	26	4	7	0	0	6	75
Central Nervous System	Enceph Viral Other	11	3	1	0	0	0	6	21
	Meningitis Viral/Aseptic	558	341	54	13	0	7	167	1,140
	Meningococcal Meningitis	12	7	1	0	0	0	6	26
Enterics	Amebiasis	2	5	1	1	0	1	18	28
	Botulism	0	0	0	0	0	0	0	0
	Campylobacteriosis	155	107	6	22	0	4	170	464
	Cholera	1	0	0	0	0	0	0	1
	Cryptosporidiosis	0	1	0	1	0	0	3	5
	<i>E. Coli</i> O157.H7	10	2	0	2	0	0	14	28
	Giardiasis	40	22	4	4	0	1	97	168
	Listeriosis	1	1	0	0	0	0	6	8
	Salmonella Paratyphi	3	0	0	0	0	0	3	6
	Salmonellosis	138	78	7	17	0	2	138	380
	Shigellosis	50	133	12	12	0	3	106	338
	Typhoid	0	0	0	0	0	0	1	1
Mycosis	Coccidioidomycosis	382	71	21	17	0	7	1,521	2,019
Zoonoses/ Vectorborne	Brucellosis	0	1	0	0	0	0	0	1
	Dengue	0	0	0	0	0	0	0	0
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0
	Lyme Disease	0	0	0	0	0	0	1	1
	Malaria	2	1	3	1	0	0	3	10
	West Nile Virus	5	0	0	1	0	0	0	6
Hepatitides	Hepatitis A	44	30	1	10	0	1	65	151
	Hepatitis B (Acute)	19	7	0	11	0	0	146	183
	Hepatitis C	881	248	132	99	2	6	438	1,906
	Hepatitis D	0	0	0	0	0	0	0	0
Other	Legionellosis	7	0	0	0	0	0	5	12
	Strep Group A	52	17	6	19	0	3	52	149
	Strep Group B	4	5	4	0	0	0	16	29
	Strep Pneumo Invasive	145	26	12	28	0	5	207	423
	Toxic Shock Syndrome	4	0	0	0	0	0	1	5
	Vibrio spp.	4	2	0	0	0	1	1	8
	VRE	286	54	13	19	0	3	247	622
	Yersiniosis	3	0	0	0	0	1	3	7
	Hansen's Disease	0	1	0	0	0	0	0	1
Tuberculosis		42	119	12	4	0	18	0	195
Sexually Transmitted Disease	Genital Herpes ¹	325	112	38	34	-	7	68	584
	Gonorrhea ¹	1,039	753	559	135	-	16	172	2,674
	Syphilis – Primary and Secondary ¹	51	64	17	8	-	1	0	141
	Syphilis – All Others ¹	108	318	79	35	-	0	0	540
	Chlamydia ¹	2,677	3,032	774	612	-	71	589	7,755
	HIV	181	87	44	11	1	2	0	326
	AIDS	169	100	37	11	0	1	1	319
All Others		0	1	0	0	0	0	0	1
Total		7,469	5,778	1,845	1,137	3	162	4,287	20,803

1

Data collection methods for race/ethnicity data for genital herpes, gonorrhea, syphilis, and chlamydia do not allow the data to utilize an 'American Indian, Hispanic' category. 2003 data for these diseases are also disproportionately lower than other years due to a backlog in data entry during 2003.

Maricopa County 2003 Communicable Disease Statistics

Table 3.01b Case Rates per 100,000 Residents for Selected Reportable Diseases by Race/Ethnicity

Disease		Race/Ethnicity							Total
		White	Hisp.	Black	Amer Ind. Non-Hisp.	Amer Ind. Hisp.	Asian	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	1.2	0.3	2.4	5.4	0	0	-	1.3
	Measles	0	0	0	0	0	1.2	-	0.0
	Mumps	0.0	0	0	0	0	0	-	0.0
	Pertussis	1.5	2.8	3.2	12.6	0	0	-	2.2
Central Nervous System	Enceph Viral Other	0.5	0.3	0.8	0	0	0	-	0.6
	Meningitis Viral/Aseptic	26.0	37.1	43.2	23.5	0	8.3	-	33.6
	Meningococcal Meningitis	0.6	0.8	0.8	0	0	0	-	0.8
Enterics	Amebiasis	0.1	0.5	0.8	1.8	0	1.2	-	0.8
	Botulism	0	0	0	0	0	0	-	0
	Campylobacteriosis	7.2	11.6	4.8	39.7	0	4.8	-	13.7
	Cholera	0.0	0	0	0	0	0	-	0.0
	Cryptosporidiosis	0	0.1	0	1.8	0	0	-	0.1
	<i>E. Coli</i> O157.H7	0.5	0.2	0	3.6	0	0	-	0.8
	Giardiasis	1.9	2.4	3.2	7.2	0	1.2	-	5.0
	Listeriosis	0.0	0.1	0	0	0	0	-	0.2
	Salmonella Paratyphi	0.1	0	0	0	0	0	-	0.2
	Salmonellosis	6.4	8.5	5.6	30.7	0	2.4	-	11.2
	Shigellosis	2.3	14.5	9.6	21.7	0	3.6	-	10.0
	Typhoid	0	0	0	0	0	0	-	0.0
Mycosis	Coccidioidomycosis	17.8	7.7	16.8	30.7	0	8.3	-	59.6
	Brucellosis	0	0.1	0	0	0	0	-	0.0
	Dengue	0	0	0	0	0	0	-	0
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	-	0
	Lyme Disease	0	0	0	0	0	0	-	0.0
	Malaria	0.1	0.1	2.4	1.8	0	0	-	0.3
	West Nile Virus	0.2	0	0	1.8	0	0	-	0.2
Hepatitides	Hepatitis A	2.1	3.3	0.8	18.1	0	1.2	-	4.5
	Hepatitis B (Acute)	0.9	0.8	0	19.9	0	0	-	5.4
	Hepatitis C	41.1	26.9	105.6	178.7	11.9	7.1	-	56.2
	Hepatitis D	0	0	0	0	0	0	-	0
Other	Legionellosis	0.3	0	0	0	0	0	-	0.4
	Strep Group A	2.4	1.8	4.8	34.3	0	3.6	-	4.4
	Strep Group B ¹	0.2	0.2	1.8	0	0	0	-	0.5
	Strep Pneumo Invasive	6.8	2.8	9.6	50.6	0	5.9	-	12.5
	Toxic Shock Syndrome	0.2	0	0	0	0	0	-	0.1
	Vibrio spp.	0.2	0.2	0	0	0	1.2	-	0.2
	VRE	13.3	5.9	10.4	34.3	0	3.6	-	18.4
	Yersiniosis	0.1	0	0	0	0	1.2	-	0.2
	Hansen's Disease	0	0.1	0	0	0	0	-	0.0
Tuberculosis		2.0	12.9	9.6	7.2	0	21.4	-	5.8
Sexually Transmitted Disease	Genital Herpes ²	15.2	12.2	30.4	61.4	-	8.3	-	17.2
	Gonorrhea ²	48.4	81.8	447.1	243.7	-	19.0	-	78.9
	Syphilis – Primary and Secondary ²	2.4	7.0	13.6	14.4	-	1.2	-	4.2
	Syphilis – All Others ²	5.0	34.6	63.2	63.2	-	0	-	15.9
	Chlamydia ²	124.8	329.5	619.1	1,105.0	-	84.4	-	228.8
	HIV	8.4	9.5	35.2	19.9	5.9	2.4	-	9.6
	AIDS	7.9	10.9	29.6	19.9	0	1.2	-	9.4
All Others		0	0.1	0	0	0	0	-	0.0
Total		348.3	627.9	1,475.8	2,052.9	17.8	192.6	-	613.9

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births by race of the mother.
² Data collection methods for race/ethnicity data for genital herpes, gonorrhea, syphilis, and chlamydia do not allow the data to utilize an 'American Indian, Hispanic' category.

Maricopa County 2003 Communicable Disease Statistics

Table 3.02a Number of Cases of Selected Reportable Diseases by Age Group

Disease		Age Group													Total
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	5	0	3	0	0	4	2	0	7	6	8	7	2	44
	Measles	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	Mumps	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	Pertussis	29	10	3	12	7	5	6	2	1	0	0	0	0	75
Central Nervous System	Enceph Viral Other	1	0	0	0	2	1	2	2	2	5	6	0	0	21
	Meningitis Viral/Aseptic	131	94	208	170	88	82	186	96	39	25	11	2	8	1,140
	Meningococcal Meningitis	6	2	4	0	3	2	1	0	6	2	0	0	0	26
Enterics	Amebiasis	0	2	5	1	2	2	5	4	3	3	1	0	0	28
	Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Campylobacteriosis	28	78	23	20	19	33	59	65	45	44	33	4	13	464
	Cholera	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Cryptosporidiosis	0	0	0	1	0	0	1	2	0	1	0	0	0	5
	<i>E. Coli</i> O157.H7	2	2	1	1	2	0	4	2	5	1	6	1	1	28
	Giardiasis	4	53	31	10	3	7	13	17	13	8	6	1	2	168
	Listeriosis	0	1	0	0	0	0	0	1	1	1	4	0	0	8
	Salmonella Paratyphi	0	0	0	1	0	0	3	1	0	1	0	0	0	6
	Salmonellosis	42	58	24	19	16	20	44	48	33	21	46	4	5	380
	Shigellosis	7	126	79	15	12	14	31	18	18	10	4	1	3	338
	Typhoid	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Mycosis	Coccidioidomycosis	11	4	30	35	73	70	239	320	313	335	527	41	21	2,019
Zoonoses/ Vectorborne	Brucellosis	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Dengue	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lyme Disease	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	Malaria	0	0	0	0	1	0	4	2	3	0	0	0	0	10
	West Nile Virus	0	0	0	0	1	0	1	0	0	3	0	1	0	6
Hepatitides	Hepatitis A	0	5	9	12	7	15	26	30	24	11	12	0	0	151
	Hepatitis B (Acute)	1	2	0	0	3	17	43	46	43	20	8	0	0	183
	Hepatitis C	2	0	0	0	11	81	297	604	624	181	99	3	4	1,906
	Hepatitis D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Legionellosis	0	0	0	0	0	0	1	0	2	5	3	1	0	12
	Strep Group A	7	4	8	0	1	1	16	18	27	24	33	7	3	149
	Strep Group B ¹	29	-	-	-	-	-	-	-	-	-	-	-	-	29
	Strep Pneumo Invasive	29	42	12	2	5	7	25	45	72	65	88	23	8	423
	Toxic Shock Syndrome	0	0	0	2	2	1	0	0	0	0	0	0	0	5
	Vibrio spp.	0	1	0	0	1	0	0	2	1	1	2	0	0	8
	VRE	4	7	2	0	6	13	25	48	78	99	256	69	15	622
	Yersiniosis	1	0	0	0	0	1	1	2	1	0	1	0	0	7
	Hansen's Disease	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Tuberculosis		6	23	7	7	7	7	34	31	16	22	30	5	0	195
Sexually Transmitted Diseases	Genital Herpes ²	1	0	1	1	68	150	209	95	35	16	8	0	0	584
	Gonorrhea ²	2	0	2	28	550	814	784	371	94	25	4	0	0	2,674
	Syphilis – Primary and Secondary	0	0	0	0	8	23	37	48	20	4	1	0	0	141
	Syphilis – All Others	0	0	0	0	15	83	166	163	66	36	11	0	0	540
	Chlamydia ²	6	0	0	121	2,528	2,843	1,817	364	66	8	2	0	0	7,755
	HIV	0	3	0	0	4	38	112	117	39	10	3	0	0	326
	AIDS	0	0	0	1	2	8	89	137	61	15	6	0	0	319
All Others		0	0	0	0	0	0	0	0	0	1	0	0	0	1
Total		354	518	454	459	3,447	4,343	4,283	2,703	1,758	1,010	1,219	170	85	20,803

¹ Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

² 2003 data for genital herpes, chlamydia, and gonorrhea are disproportionately lower than other years due to a backlog in data entry during 2003.

Maricopa County 2003 Communicable Disease Statistics

Table 3.02b Case Rates per 100,000 Residents for Selected Reportable Diseases by Age Group

Disease		Age Group												Total
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	1.8	1.1	0	0	1.6	0.4	0	1.7	2.1	2.4	14.9	-	1.3
	Measles	0.4	0	0	0	0	0	0	0	0	0	0	-	0.0
	Mumps	0	0.4	0	0	0	0	0	0	0	0	0	-	0.0
	Pertussis	13.9	1.1	4.7	3.1	2.1	1.1	0.4	0.2	0	0	0	-	2.2
Central Nervous System	Enceph Viral Other	0.4	0	0	0.9	0.4	0.4	0.4	0.5	1.7	1.8	0	-	0.6
	Meningitis Viral/Aseptic	80.2	79.4	66.1	38.9	33.7	34.8	19.2	9.5	8.6	3.3	4.3	-	33.6
	Meningococcal Meningitis	2.9	1.5	0	1.3	0.8	0.2	0	1.5	0.7	0	0	-	0.8
Enterics	Amebiasis	0.7	1.9	0.4	0.9	0.8	0.9	0.8	0.7	1.0	0.3	0	-	0.8
	Botulism	0	0	0	0	0	0	0	0	0	0	0	-	0
	Campylobacteriosis	37.8	8.8	7.8	8.4	13.6	11.0	13.0	10.9	15.1	9.9	8.5	-	13.7
	Cholera	0	0	0	0	0	0	0.2	0	0	0	0	-	0.0
	Cryptosporidiosis	0	0	0.4	0	0	0.2	0.4	0	0.3	0	0	-	0.1
	<i>E. Coli</i> O157.H7	1.4	0.4	0.4	0.9	0	0.7	0.4	1.2	0.3	1.8	2.1	-	0.8
	Giardiasis	20.3	11.8	3.9	1.3	2.9	2.4	3.4	3.2	2.8	1.8	2.1	-	5.0
	Listeriosis	0.4	0	0	0	0	0	0.2	0.2	0.3	1.2	0	-	0.2
	Salmonella Paratyphi	0	0	0.4	0	0	0.6	0.2	0	0.3	0	0	-	0.2
	Salmonellosis	35.6	9.2	7.4	7.1	8.2	8.2	9.6	8.0	7.2	13.7	8.5	-	11.2
	Shigellosis	47.4	30.1	5.8	5.3	5.8	5.8	3.6	4.4	3.4	1.2	2.1	-	10.0
	Typhoid	0	0	0	0	0.4	0	0	0	0	0	0	-	0.0
Mycosis	Coccidioidomycosis	5.3	11.4	13.6	32.2	28.8	44.7	64.0	76.1	115.2	157.4	87.3	-	59.6
Zoonoses/ Vectorborne	Brucellosis	0	0	0	0	0	0	0.2	0	0	0	0	-	0.0
	Dengue	0	0	0	0	0	0	0	0	0	0	0	-	0
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0	0	0	0	-	0
	Lyme Disease	0	0	0	0	0	0	0	0	0.3	0	0	-	0.0
	Malaria	0	0	0	0.4	0	0.7	0.4	0.7	0	0	0	-	0.3
	West Nile Virus	0	0	0	0.4	0	0.2	0	0	1.0	0	2.1	-	0.2
Hepatitides	Hepatitis A	1.8	3.4	4.7	3.1	6.2	4.9	6.0	5.8	3.8	3.6	0	-	4.5
	Hepatitis B (Acute)	1.1	0	0	1.3	7.0	8.0	9.2	10.4	6.9	2.4	0	-	5.4
	Hepatitis C	0.7	0	0	4.9	33.3	55.5	120.8	151.6	62.3	29.6	6.4	-	56.2
	Hepatitis D	0	0	0	0	0	0	0	0	0	0	0	-	0
Other	Legionellosis	0	0	0	0	0	0.2	0	0.5	1.7	0.9	2.1	-	0.4
	Strep Group A	3.9	3.1	0	0.4	0.4	3.0	3.6	6.6	8.3	9.9	14.9	-	4.4
	Strep Group B ¹	0.5	-	-	-	-	-	-	-	-	-	-	-	0.5
	Strep Pneumo Invasive	25.3	4.6	0.8	2.2	2.9	4.7	9.0	17.5	22.4	26.3	49.0	-	12.5
	Toxic Shock Syndrome	0	0	0.8	0.9	0.4	0	0	0	0	0	0	-	0.1
	Vibrio spp.	0.4	0	0	0.4	0	0	0.4	0.2	0.3	0.6	0	-	0.2
	VRE	3.9	0.8	0	2.6	5.3	4.7	9.6	19.0	34.1	76.4	146.9	-	18.4
	Yersiniosis	0.4	0	0	0	0.4	0.2	0.4	0.2	0	0.3	0	-	0.2
	Hansen's Disease	0	0.4	0	0	0	0	0	0	0	0	0	-	0.0
Tuberculosis		10.3	2.7	2.7	3.1	2.9	6.4	6.2	3.9	7.6	9.0	10.6	-	5.8
Sexually Transmitted Diseases	Genital Herpes	0.4	0.4	0.4	30.0	61.7	39.1	19.0	8.5	5.5	2.4	0	-	17.2
	Gonorrhea	0.7	0.8	10.9	242.9	334.7	146.5	74.2	22.8	8.6	1.2	0	-	78.9
	Syphilis – Primary and Secondary	0	0	0	3.5	9.5	6.9	9.6	4.9	1.4	0.3	0	-	4.2
	Syphilis – All Others	0	0	0	6.6	34.1	31.0	32.6	16.0	12.4	3.3	0	-	15.9
	Chlamydia	2.1	0	47.0	1,116.3	1,169.1	339.5	72.8	16.0	2.8	0.6	0	-	228.8
	HIV	1.1	0	0	1.8	15.6	20.9	23.4	9.5	3.4	0.9	0	-	9.6
	AIDS	0	0	0.4	0.9	3.3	16.6	27.4	14.8	5.2	1.8	0	-	9.4
All Others		0	0	0	0	0	0	0	0	0.3	0	0	-	0.0
Total		310.8	173.2	178.4	1,522.2	1,786.0	800.3	540.7	427.2	347.4	364.0	362.0	-	613.9

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births.

Maricopa County 2003 Communicable Disease Statistics

Table 3.03a Number of Cases of Selected Reportable Diseases by Gender

Disease		Gender			Total
		Male	Female	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	21	23	0	44
	Measles	0	1	0	1
	Mumps	1	0	0	1
	Pertussis	34	41	0	75
Central Nervous System	Enceph Viral Other	11	10	0	21
	Meningitis Viral/Aseptic	581	557	2	1,140
	Meningococcal Meningitis	12	14	0	26
Enterics	Amebiasis	14	14	0	28
	Botulism	0	0	0	0
	Campylobacteriosis	229	223	12	464
	Cholera	0	1	0	1
	Cryptosporidiosis	5	0	0	5
	<i>E. Coli</i> O157.H7	12	15	1	28
	Giardiasis	94	72	2	168
	Listeriosis	4	4	0	8
	Salmonella Paratyphi	5	1	0	6
	Salmonellosis	174	199	7	380
	Shigellosis	150	180	8	338
	Typhoid	0	1	0	1
Mycosis	Coccidioidomycosis	1,158	848	13	2,019
Zoonoses/ Vectorborne	Brucellosis	1	0	0	1
	Dengue	0	0	0	0
	Hantavirus Pulm. Syn.	0	0	0	0
	Lyme Disease	1	0	0	1
	Malaria	7	3	0	10
	West Nile Virus	5	1	0	6
Hepatitides	Hepatitis A	79	72	0	151
	Hepatitis B (Acute)	103	78	2	183
	Hepatitis C	1,492	397	17	1,906
	Hepatitis D	0	0	0	0
Other	Legionellosis	9	3	0	12
	Strep Group A	89	56	4	149
	Strep Group B	18	11	0	29
	Strep Pneumo Invasive	245	168	10	423
	Toxic Shock Syndrome	0	5	0	5
	Vibrio spp.	3	5	0	8
	VRE	264	351	7	622
	Yersiniosis	3	4	0	7
	Hansen's Disease	0	1	0	1
Tuberculosis		118	77	0	195
Sexually Transmitted Diseases	Genital Herpes ¹	216	368	0	584
	Gonorrhea ¹	1,487	1,187	0	2,674
	Syphilis – Primary and Secondary	96	45	0	141
	Syphilis – All Others	320	220	0	540
	Chlamydia ¹	1,734	6,021	0	7,755
	HIV	283	43	0	326
	AIDS	283	36	0	319
All Others		1	0	0	1
Total		9,362	11,356	85	20,803

¹ 2003 data for genital herpes, chlamydia, and gonorrhea are disproportionately lower than other years due to a backlog in data entry during 2003.

Maricopa County 2003 Communicable Disease Statistics

Table 3.03b Case Rates per 100,000 Residents for Selected Reportable Diseases by Gender

Disease		Gender			Total
		Male	Female	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	1.2	1.4	-	1.3
	Measles	0	0.1	-	0.0
	Mumps	0.1	0	-	0.0
	Pertussis	2.0	2.4	-	2.2
Central Nervous System	Enceph Viral Other	0.6	0.6	-	0.6
	Meningitis Viral/Aseptic	34.2	33.0	-	33.6
	Meningococcal Meningitis	0.7	0.8	-	0.8
Enterics	Amebiasis	0.8	0.8	-	0.8
	Botulism	0	0	-	0
	Campylobacteriosis	13.5	13.2	-	13.7
	Cholera	0	0.1	-	0.0
	Cryptosporidiosis	0.3	0	-	0.1
	<i>E. Coli</i> O157.H7	0.7	0.9	-	0.8
	Giardiasis	5.5	4.3	-	5.0
	Listeriosis	0.2	0.2	-	0.2
	Salmonella Paratyphi	0.3	0.1	-	0.2
	Salmonellosis	10.2	11.8	-	11.2
	Shigellosis	8.8	10.7	-	10.0
	Typhoid	0	0.1	-	0.0
Mycosis Zoonoses/ Vectorborne	Coccidioidomycosis	68.1	50.3	-	59.6
	Brucellosis	0.1	0	-	0.0
	Dengue	0	0	-	0
	Hantavirus Pulm. Syn.	0	0	-	0
	Lyme Disease	0.1	0	-	0.0
	Malaria	0.4	0.2	-	0.3
	West Nile Virus	0.3	0.1	-	0.2
Hepatitides	Hepatitis A	4.6	4.3	-	4.5
	Hepatitis B (Acute)	6.1	4.6	-	5.4
	Hepatitis C	87.7	23.5	-	56.2
	Hepatitis D	0	0	-	0
Other	Legionellosis	0.5	0.2	-	0.4
	Strep Group A	5.2	3.3	-	4.4
	Strep Group B ¹	0.6	0.4	-	0.5
	Strep Pneumo Invasive	14.4	10.0	-	12.5
	Toxic Shock Syndrome	0	0.3	-	0.1
	Vibrio spp.	0.2	0.3	-	0.2
	VRE	15.5	20.8	-	18.4
	Yersiniosis	0.2	0.2	-	0.2
	Hansen's Disease	0	0.1	-	0.0
Tuberculosis		6.9	4.6	-	5.8
Sexually Transmitted Diseases	Genital Herpes	12.7	21.8	-	17.2
	Gonorrhea	87.4	70.3	-	78.9
	Syphilis – Primary and Secondary	5.6	2.7	-	4.2
	Syphilis – All Others	18.8	13.0	-	15.9
	Chlamydia	101.9	356.8	-	228.8
	HIV	16.6	2.5	-	9.6
	AIDS	16.6	2.1	-	9.4
All Others		0.1	0	-	0.0
Total		550.3	673.0	-	613.9

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births.

IV. Maricopa County 2003 Natality (Birth) Statistics

Maricopa County 2003 Natality (Birth) Statistics

Table 4.01 Number and Percent of Births by Age and Race/Ethnicity of Mother

Age Group of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<15	11	0.0	101	0.4	1	0.0	8	0.5	2	2.0	1	0.1	0	0	124	0.2
15-19	1,663	6.3	4,460	16.7	389	17.8	241	14.9	24	23.8	54	2.9	13	5.0	6,844	11.6
20-24	5,813	22.0	8,398	31.5	713	32.7	589	36.5	43	42.6	260	14.2	52	20.0	15,868	26.9
25-29	7,557	28.7	7,412	27.8	535	24.5	427	26.5	22	21.8	551	30.0	48	18.5	16,552	28.1
30-34	7,299	27.7	4,274	16.0	358	16.4	222	13.8	6	5.9	638	34.8	61	23.5	12,858	21.8
35-39	3,288	12.5	1,653	6.2	150	6.9	111	6.9	4	4.0	271	14.8	54	20.8	5,531	9.4
40-44	689	2.6	336	1.3	33	1.5	14	0.9	0	0	59	3.2	22	8.5	1,153	2.0
45+	46	0.2	9	0.0	1	0.0	2	0.1	0	0	1	0.1	10	3.8	69	0.1
Unk.	0	0	1	0.0	0	0	0	0	0	0	0	0	0	0	1	0.0
Total	26,366		26,644		2,180		1,614		101		1,835		260		59,000	

Table 4.02 Number and Percent of Births by Marital Status and Race/Ethnicity of Mother

Marital Status of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	20,206	76.6	12,074	45.3	775	35.6	476	29.5	35	34.7	1,560	85.0	206	79.2	35,332	59.9
Single	5,957	22.6	14,349	53.9	1,382	63.4	1,122	69.5	65	64.4	267	14.6	49	18.8	23,191	39.3
Refused	149	0.6	181	0.7	20	0.9	11	0.7	0	0	6	0.3	3	1.2	370	0.6
Divorced	45	0.2	24	0.1	2	0.1	3	0.2	1	1.0	2	0.1	0	0	77	0.1
Unknown	9	0.0	16	0.1	1	0.0	2	0.1	0	0	0	0	2	0.8	30	0.1
Total	26,366		26,644		2,180		1,614		101		1,835		260		59,000	

Table 4.03 Number and Percent of Births by Educational Level and Race/Ethnicity of Mother

Education Level of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<6 th Grade	45	0.2	1,148	4.3	12	0.6	3	0.2	0	0	18	1.0	6	2.3	1,232	2.1
6 th - 11 th Grade	2,270	8.6	13,741	51.6	472	21.7	543	33.6	28	27.7	107	5.8	27	10.4	17,188	29.1
HS Diploma	6,668	25.3	6,930	26.0	795	36.5	499	30.9	41	40.6	414	22.6	35	13.5	15,382	26.1
College+	17,000	64.5	4,377	16.4	870	39.9	552	34.2	28	27.7	1,255	68.4	77	29.6	24,159	40.9
Unknown	383	1.5	448	1.7	31	1.4	17	1.1	4	4.0	41	2.2	115	44.2	1,039	1.8
Total	26,366		26,644		2,180		1,614		101		1,835		260		59,000	

Maricopa County 2003 Natality (Birth) Statistics

Table 4.04 Trimester of First Prenatal Care by Race/Ethnicity of Mother

Trimester of First Prenatal Care	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	23,651	89.7	17,995	67.5	1,661	76.2	1,267	78.5	81	80.2	1,599	87.1	175	67.3	46,429	78.7
Second	1,809	6.9	5,880	22.1	318	14.6	228	14.1	15	14.9	156	8.5	51	19.6	8,457	14.3
Third	471	1.8	1,482	5.6	94	4.3	59	3.7	3	3.0	35	1.9	13	5.0	2,157	3.7
None	299	1.1	1,134	4.3	87	4.0	50	3.1	2	2.0	34	1.9	13	5.0	1,619	2.7
Unknown	136	0.5	153	0.6	20	0.9	10	0.6	0	0	11	0.6	8	3.1	338	0.6
Total	26,366		26,644		2,180		1,614		101		1,835		260		59,000	

Table 4.05 Number and Percent of Prenatal Care Visits by Race/Ethnicity of Mother

Number of Prenatal Care Visits	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	299	1.1	1,134	4.3	87	4.0	50	3.1	2	2.0	34	1.9	13	5.0	1,619	2.7
1 to 4	364	1.4	1,307	4.9	72	3.3	90	5.6	3	3.0	38	2.1	9	3.5	1,883	3.2
5 to 8	2,155	8.2	4,683	17.6	291	13.3	309	19.1	20	19.8	175	9.5	54	20.8	7,687	13.0
9 to 12	13,874	52.6	10,183	38.2	917	42.1	741	45.9	50	49.5	1,041	56.7	93	35.8	26,899	45.6
13 to 16	6,348	24.1	7,108	26.7	505	23.2	291	18.0	16	15.8	365	19.9	56	21.5	14,689	24.9
17 or More	2,479	9.4	1,617	6.1	233	10.7	96	5.9	7	6.9	121	6.6	18	6.9	4,571	7.7
Unknown	847	3.2	612	2.3	75	3.4	37	2.3	3	3.0	61	3.3	17	6.5	1,652	2.8
Total	26,366		26,644		2,180		1,614		101		1,835		260		59,000	

**Table 4.06 Adequacy of Prenatal Care by Race/Ethnicity of Mother
Singleton Births Only**

Adequacy of Prenatal Care	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	1,719	6.8	6,035	23.2	373	17.8	313	19.7	16	16.5	153	8.6	58	23.2	8,667	15.1
Intermediate	2,498	9.8	3,094	11.9	206	9.8	277	17.5	13	13.4	199	11.2	32	12.8	6,319	11.0
Adequate	12,926	50.8	8,499	32.6	773	36.8	630	39.7	48	49.5	898	50.7	85	34.0	23,859	41.7
Adequate Plus	7,468	29.4	7,802	30.0	674	32.1	326	20.6	19	19.6	458	25.9	57	22.8	16,804	29.3
Information Missing	816	3.2	620	2.4	75	3.6	40	2.5	1	1.0	62	3.5	18	7.2	1,632	2.8
Total	25,427		26,050		2,101		1,586		97		1,770		250		57,281	

Maricopa County 2003 Natality (Birth) Statistics

Table 4.07 Birthweight of Infant by Race/Ethnicity of Mother

Birthweight of Infant	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	276	1.0	301	1.1	50	2.3	12	0.7	4	4.0	27	1.5	3	1.2	673	1.1
1500-2499 Grams	1,470	5.6	1,518	5.7	207	9.5	83	5.1	5	5.0	131	7.1	26	10.0	3,440	5.8
2500-4249 Grams	23,693	89.9	23,971	90.0	1,892	86.8	1,441	89.3	89	88.1	1,643	89.5	227	87.3	52,956	89.8
>4249 Grams	918	3.5	842	3.2	31	1.4	78	4.8	3	3.0	34	1.9	4	1.5	1,910	3.2
Unknown	9	0.0	12	0.0	0	0	0	0	0	0	0	0	0	0	21	0.0
Total	26,366		26,644		2,180		1,614		101		1,835		260		59,000	

Table 4.08 Preterm Births (Less than 37 Weeks Gestation) by Race/Ethnicity of Mother

Gestational Estimate	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<37 Weeks Gestation	2,930	11.1	2,685	10.1	320	14.7	148	9.2	9	8.9	210	11.4	37	14.2	6,339	10.7
≥37 Weeks Gestation	23,413	88.8	23,947	89.9	1,859	85.3	1,465	90.8	92	91.1	1,624	88.5	222	85.4	52,622	89.2
Unknown	23	0.1	12	0.0	1	0.0	1	0.1	0	0	1	0.1	1	0.4	39	0.1
Total	26,366		26,644		2,180		1,614		101		1,835		260		59,000	

Maricopa County 2003 Natality (Birth) Statistics

Table 4.09 Number and Percent of Births by Marital Status and Age Group of Mother

Marital Status of Mother	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	0	0	1,152	16.8	7,031	44.3	11,347	68.6	10,333	80.4	4,507	81.5	905	78.5	57	82.6	0	0	35,332	59.9
Single	124	100.0	5,683	83.0	8,697	54.8	5,043	30.5	2,430	18.9	966	17.5	235	20.4	12	17.4	1	100.0	23,191	39.3
Refused	0	0	5	0.1	110	0.7	123	0.7	76	0.6	46	0.8	10	0.9	0	0	0	0	370	0.6
Divorced	0	0	0	0	23	0.1	25	0.2	18	0.1	9	0.2	2	0.2	0	0	0	0	77	0.1
Unknown	0	0	4	0.1	7	0.0	14	0.1	1	0.0	3	0.1	1	0.1	0	0	0	0	30	0.1
Total	124		6,844		15,868		16,552		12,858		5,531		1,153		69		1		59,000	

Table 4.10 Number and Percent of Births by Educational Level and Age Group of Mother

Educational Level of Mother	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<6 th Grade	3	2.4	110	1.6	341	2.1	343	2.1	260	2.0	124	2.2	47	4.1	3	4.3	1	100.0	1,232	2.1
6 th -11 th Grade	120	96.8	4,340	63.4	5,537	34.9	4,095	24.7	2,159	16.8	773	14.0	159	13.8	5	7.2	0	0	17,188	29.1
HS Diploma	0	0	1,901	27.8	5,548	35.0	4,180	25.3	2,473	19.2	1,078	19.5	191	16.6	11	15.9	0	0	15,382	26.1
College+	0	0	380	5.6	4,161	26.2	7,680	46.4	7,759	60.3	3,424	61.9	715	62.0	40	58.0	0	0	24,159	40.9
Unknown	1	0.8	113	1.7	281	1.8	254	1.5	207	1.6	132	2.4	41	3.6	10	14.5	0	0	1,039	1.8
Total	124		6,844		15,868		16,552		12,858		5,531		1,153		69		1		59,000	

Table 4.11 Trimester of First Prenatal Care by Age Group of Mother

Trimester of First Prenatal Care	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	68	54.8	4,404	64.3	11,828	74.5	13,411	81.0	10,963	85.3	4,740	85.7	962	83.4	53	76.8	0	0	46,429	78.7
Second	37	29.8	1,676	24.5	2,752	17.3	2,112	12.8	1,238	9.6	514	9.3	117	10.1	11	15.9	0	0	8,457	14.3
Third	12	9.7	437	6.4	670	4.2	531	3.2	345	2.7	128	2.3	33	2.9	1	1.4	0	0	2,157	3.7
None	7	5.6	282	4.1	539	3.4	393	2.4	251	2.0	112	2.0	32	2.8	2	2.9	1	100.0	1,619	2.7
Unknown	0	0	45	0.7	79	0.5	105	0.6	61	0.5	37	0.7	9	0.8	2	2.9	0	0	338	0.6
Total	124		6,844		15,868		16,552		12,858		5,531		1,153		69		1		59,000	

Maricopa County 2003 Natality (Birth) Statistics

Table 4.12 Number and Percent of Prenatal Care Visits by Age Group of Mother

Number of Prenatal Care Visits	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	7	5.6	282	4.1	539	3.4	393	2.4	251	2.0	112	2.0	32	2.8	2	2.9	1	100.0	1,619	2.7
1 to 4	10	8.1	367	5.4	582	3.7	457	2.8	296	2.3	137	2.5	32	2.8	2	2.9	0	0	1,883	3.2
5 to 8	29	23.4	1,358	19.8	2,325	14.7	1,977	11.9	1,327	10.3	521	9.4	143	12.4	7	10.1	0	0	7,687	13.0
9 to 12	42	33.9	2,715	39.7	7,003	44.1	7,570	45.7	6,311	49.1	2,692	48.7	536	46.5	30	43.5	0	0	26,899	45.6
13 to 16	21	16.9	1,553	22.7	3,842	24.2	4,360	26.3	3,282	25.5	1,372	24.8	248	21.5	11	15.9	0	0	14,689	24.9
17 or More	12	9.7	396	5.8	1,144	7.2	1,311	7.9	1,045	8.1	536	9.7	115	10.0	12	17.4	0	0	4,571	7.7
Unknown	3	2.4	173	2.5	433	2.7	484	2.9	346	2.7	161	2.9	47	4.1	5	7.2	0	0	1,652	2.8
Total	124		6,844		15,868		16,552		12,858		5,531		1,153		69		1		59,000	

**Table 4.13 Adequacy of Prenatal Care by Age Group of Mother
Singleton Births Only**

Adequacy of Prenatal Care	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	41	33.1	1,677	24.8	2,815	18.1	2,138	13.3	1,324	10.7	535	10.2	127	11.7	9	17.6	1	100.0	8,667	15.1
Intermediate	15	12.1	838	12.4	1,828	11.8	1,746	10.9	1,255	10.1	518	9.8	112	10.3	7	13.7	0	0	6,319	11.0
Adequate	32	25.8	2,236	33.1	5,962	38.4	6,916	43.0	5,780	46.7	2,453	46.6	462	42.4	18	35.3	0	0	23,859	41.7
Adequate Plus	32	25.8	1,830	27.1	4,481	28.9	4,799	29.8	3,688	29.8	1,615	30.7	345	31.7	14	27.5	0	0	16,804	29.3
Information Missing	4	3.2	179	2.6	438	2.8	482	3.0	335	2.7	148	2.8	43	3.9	3	5.9	0	0	1,632	2.8
Total	124		6,760		15,524		16,081		12,382		5,269		1,089		51		1		57,281	

Maricopa County 2003 Natality (Birth) Statistics

Table 4.14 Birthweight of Infant by Age Group of Mother

Birthweight of Infant	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	2	1.6	79	1.2	153	1.0	195	1.2	147	1.1	74	1.3	19	1.6	4	5.8	0	0	673	1.1
1500-2499 Grams	14	11.3	476	7.0	870	5.5	851	5.1	726	5.6	381	6.9	113	9.8	8	11.6	1	100.0	3,440	5.8
2500-4249 Grams	106	85.5	6,179	90.3	14,422	90.9	14,935	90.2	11,451	89.1	4,839	87.5	971	84.2	53	76.8	0	0	52,956	89.8
>4249 Grams	2	1.6	107	1.6	421	2.7	566	3.4	528	4.1	232	4.2	50	4.3	4	5.8	0	0	1,910	3.2
Unknown	0	0	3	0.0	2	0.0	5	0.0	6	0.0	5	0.1	0	0	0	0	0	0	21	0.0
Total	124		6,844		15,868		16,552		12,858		5,531		1,153		69		1		59,000	

Table 4.15 Preterm Births (Less than 37 Weeks Gestation) by Age Group of Mother

Gestational Estimate	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<37 Weeks Gestation	19	15.3	780	11.4	1,545	9.7	1,633	9.9	1,422	11.1	728	13.2	192	16.7	19	27.5	1	100.0	6,339	10.7
≥37 Weeks Gestation	104	83.9	6,059	88.5	14,316	90.2	14,908	90.1	11,427	88.9	4,799	86.8	959	83.2	50	72.5	0	0	52,622	89.2
Unknown	1	0.8	5	0.1	7	0.0	11	0.1	9	0.1	4	0.1	2	0.2	0	0	0	0	39	0.1
Total	124		6,844		15,868		16,552		12,858		5,531		1,153		69		1		59,000	

V. Technical Notes

Population Statistics

Population statistics are shown in Tables **1.01** and **1.02**. This report used the most recent U.S. Census data and estimates for population figures at the time of analysis.

- The Maricopa County population is from the U.S. Census Bureau, County Population Estimates by Age, Sex, Race and Hispanic Origin for July 1, 2005, released August 4, 2006. This is at <http://www.census.gov/popest/counties/files/CO-EST2005-ALLDATA.csv>

The population figures in this report may differ from figures in previous Maricopa County Department of Public Health (MCDPH) and other reports in two ways. First, some reports use Arizona Department of Economic Security (ADES) or MCDPH estimates for population data. Second, some reports may use the first published estimates by the 2000 U.S. Census. This report uses the most recent U.S. Census population figures and estimates for 2003. For a complete explanation on how the most recent U.S. Census data differ from the first published U.S. Census data, see the following: “2000 Census of Population and Housing, Notes and Errata” at www.census.gov/prod/cen2000/notes/errata.pdf.

This report defines “Hispanic” as: all respondents listing Hispanic, either alone or in combination with any race that do not identify themselves as American Indian or Alaska Native. This report separates the American Indian population by ethnicity (Hispanic, Non-Hispanic). The table below shows how the U.S. Census variables of “origin” and “race” are used for categorization in this report.

Table 5.1 Race/Ethnicity Categories Used in This Report		
Category Used in This Report	U.S. Census Code “Race”	U.S. Census Code “Origin”
White	Race=1 (White Alone)	Origin=1 (Non-Hispanic)
African American	Race=2 (Black Alone)	Origin=1 (Non-Hispanic)
American Indian, Non-Hispanic	Race=3 (American Indian or Alaska Native Alone)	Origin=1 (Non-Hispanic)
American Indian, Hispanic	Race=3 (American Indian or Alaska Native Alone)	Origin=2 (Hispanic)
Asian	Race=4 (Asian Alone) or 5 (Native Hawaiian or Other Pacific Islander Alone)	Origin=1 (Non-Hispanic)
Other	Race=6 (Two or More Races)	Origin=1 (Non-Hispanic)
Hispanic	Race=1,2,4,5,6	Origin=2 (Hispanic)

Mortality (Death) Statistics

Mortality (death) statistics are shown in Tables **2.01a** through **2.11**. Any crude death rate can be calculated by taking the number of deaths from any mortality table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** and **1.02**. In tables where rates are shown, “0” means there were no cases/deaths in that category. However, when the number “0.0” is shown, it means that there were fewer than .05 deaths per 100,000 residents.

All data on mortality statistics are from the Arizona Department of Health Services (ADHS) final annual files. The Maricopa County mortality data are from death certificates for Maricopa County residents only. This includes Maricopa County residents who died in Maricopa County and residents who died elsewhere. Non-Maricopa County residents who died in Maricopa County are not included.

For both mortality and morbidity (communicable disease), rates for some racial/ethnic populations such as American Indians, Asians, and African Americans are high compared to other groups. Because these groups have relatively small populations in Maricopa County (under 150,000 residents as shown in Tables **1.01** and **1.02**), these high rates may represent very few deaths/cases. Among small populations, rates are less stable so one case or death can cause a big increase or decrease in the rates. Therefore, it is advisable to examine the raw number of cases or deaths, in addition to the rates.

In Tables **2.03a** through **2.05b**, unintentional injury deaths can be found by adding two categories – “motor vehicle collisions” and “all other accidents and adverse effects.” The total for unintentional injuries in this report is higher than the figure reported by ADHS because deaths from “complications of medical and surgical care” are included in this report. This convention follows the national model for classifying unintentional injuries. “Complications of medical and surgical care” include deaths from medical devices, adverse effects related to correct doses of therapeutic medications, and misadventures to patients during surgical or medical care (ICD-10 Y40-Y84, Y88).

Tables **2.01b**, **2.02b**, **2.03b**, **2.04b**, **2.06b**, and **2.07b** do not provide a rate for the categories labeled “Unknown Age” or “Unknown Race/Ethnicity.” This is because there is no denominator to use for calculating the rate as the U.S. Census does not report any data on “unknown age” or “unknown race/ethnicity.”

Unless otherwise noted, all deaths are attributed to one underlying condition, based on death certificate information, using the rules of the International Classification of Diseases. Causes of death are classified by ICD-10 codes. The codes used for each category are listed in Table **5.2** below.

Firearm, drug, and alcohol induced deaths are also included in a number of other categories, such as suicide, homicide, unintentional injury, etc. For example, a firearm induced death may also be classified as a suicide, homicide, or “other accident or adverse effect.” An alcohol induced death may be attributed to a long or short term effect of alcohol, such as acute alcohol intoxication or alcoholic cardiomyopathy.

For Tables **2.03b**, **2.04b**, and **2.05b**, prostate cancer rates are calculated among men only (using only male residents in the denominator), and uterine & ovarian cancer rates are calculated among women only (using only female residents as the denominator). In all other tables, and for all other diseases, the total population is used for the denominator for both conditions.

Table 5.2 ICD-10 Codes Used for This Report

Cause	ICD-10 Codes Used (2001-2005)
Tuberculosis	A16-A19
Syphilis	A50-A53
HIV Disease	B20-B24
Malignant Neoplasms (Cancer)	C00-C97
Malignant Neoplasm of the Stomach	C16
Malignant Neoplasm of the Colon	C18-C21
Malignant Neoplasm of the Pancreas	C25
Malignant Neoplasm of Bronchus, Lung, or Trachea	C33-C34
Malignant Neoplasm of the Breast	C50
Malignant Neoplasm of the Uterus, Cervix, Ovary	C53-C56
Malignant Neoplasm of the Prostate	C61
Malignant Neoplasm of Urinary Organs	C64-C68
Non-Hodgkins Lymphoma	C82-C85
Leukemia	C91-C95
Other Malignant Neoplasms	C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-97
Diabetes	E10-E14
Alzheimer's	G30
Major Cardiovascular Disease	I00-I78
Disease of Heart	I00-I09, I11, I13, I20-I51
Hypertensive Heart Disease	I11, I13
Ischemic Heart Disease	I20-I25
Other Heart Disease	I00-I09, I26-I51
Primary Hypertension	I10, I12
Cerebrovascular Diseases	I60-I69
Atherosclerosis	I70
Other Circulatory	I71-I78
Influenza & Pneumonia	J10-J18
Chronic Lower Respiratory	J40-J47
Peptic Ulcer	K25-K28
Liver Disease, including chronic liver disease, cirrhosis, alcoholic liver disease, and other chronic liver disease	K70, K73-K74
Nephritis, nephritic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Pregnancy, childbirth, and the puerperium	O00-O99
Perinatal Conditions	P00-P96
Congenital Malformations	Q00-Q99
SIDS (Sudden Infant Death Syndrome)	R95
Ill Defined Disease Conditions (Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, excluding SIDS)	R00-R94, R96-R99
All Other Diseases	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15N20-N23, N28-N98

(Table Continues)

(Table 5.2, Continued)

Cause	ICD-10 Codes Used (2001-2005)
Motor Vehicle Collisions	V02-V04, V09.0, V09.2, V12-V14, V19.0 - V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0 V89.2
All Other Accidents & Adverse Effects	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9 V90-X29, X31-X59, Y40-Y86, Y88
Suicide	U03, X60-X84, Y87.0
Homicide	U01-U02, X85-Y09, Y87.1
All Other External Causes	Y10-Y36, Y87.2, Y89
Unknown Causes	No ICD code listed
Firearm Related	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Drug Induced	F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.8, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14
Alcohol Induced	F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15

Communicable Disease (Morbidity) Statistics

Communicable disease statistics are shown in Tables **3.01a** through **3.03b**. Any morbidity rate except for Streptococcal Group B Invasive disease can be calculated by taking the number of cases from any communicable disease table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** and **1.02**. Because Streptococcal Group B Invasive disease is only reportable in infants under 90 days, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

The Maricopa County morbidity data are for Maricopa County residents only. This includes Maricopa County residents who acquired a disease in Maricopa County and residents who acquired a disease elsewhere. Non-Maricopa County residents are not included, even if they acquired a disease in Maricopa County. Other reports may show different morbidity rates because they include non-residents who acquired disease in Maricopa County or they exclude residents who were exposed outside of the county. For example, this report shows six residents with West Nile virus (WNV) in 2003. Two of these cases acquired WNV outside of Maricopa County, the other four cases were acquired locally. Other reports and press releases may focus on only the locally acquired WNV cases, regardless of the residency status of the cases. For Hansen's disease only, tables include residents from various counties in Arizona, regardless of where the disease was acquired.

Communicable disease data are from the ADHS final annual files with several exceptions: data on West Nile virus, hepatitis C, genital herpes, gonorrhea, chlamydia, syphilis, and Hansen's disease are from MCDPH. Because the MCDPH communicable disease database is continuously updated, the data for hepatitis C and West Nile virus can change somewhat over time. Hepatitis C data for 2003 used in this report were generated on October 31, 2006 for confirmed, acute and

chronic, physician-reported cases among Maricopa County residents. West Nile virus data for 2003 used in this report were generated on November 15, 2006 for all confirmed cases among Maricopa County residents.

In previous Health Status Reports, hepatitis B data were also obtained from the MCDPH. However, there have been a number of issues contributing to unreliable hepatitis B data. Therefore, this report uses hepatitis B data for acute cases from ADHS.

Data on tuberculosis, STDs, HIV, and AIDS may differ from other reports published by MCDPH and ADHS. Data on these diseases are in databases that may have been updated during the time between reports. HIV/AIDS data for Maricopa County are from October 27, 2006 and were provided to MCDPH for this report. Primary and secondary syphilis is shown as "Syphilis-Prim. and Sec". The "Syphilis - All others" category includes latent and congenital syphilis. These two categories can be added to determine the total number of syphilis cases. Syphilis data were generated on February 23, 2006.

Morbidity data include only confirmed cases, with the exception of Hansen's disease. Data for Hansen's disease includes all confirmed, suspect, and probable cases diagnosed in Maricopa County, including diagnoses to non-county residents. All communicable disease statistics in this report are new cases for each specified year (incidence). The only exception is Hansen's disease for which the prevalence (all existing cases from all years) is shown. The figures presented for Hansen's disease differ from previous years due to the addition of several cases diagnosed in previous years but only recently available.

Morbidity data for hepatitis C and West Nile Virus are classified by the earliest date in the record. The earliest date may be date of onset, date of diagnosis, or date of report. HIV, AIDS, and Hansen's disease data are classified by date of diagnosis. All other data are classified by date of report.

The category "Encephalitis Viral" includes St. Louis encephalitis and all other types of viral encephalitis except for West Nile virus. This may differ somewhat from other reports that include only certain types of encephalitides.

In Tables **3.01a** through **3.03b**, the category labeled "All Others" includes all reportable diseases in the ADHS communicable disease database that are not listed previously on the table.

Natality (Birth) Statistics

Natality (birth) statistics are shown in Tables **4.01** through **4.15**.

The natality percentages for older and younger maternal age groups (under 15 and over 45) may be high compared to other groups. These groups have relatively small populations in Maricopa County. Although percentages may be high, they may represent only one or two cases in a given category. Therefore, it is advisable to check the raw numbers.

Adequate prenatal care is based on the Adequacy of Prenatal Care Utilization Index (APCUI)¹. This index considers both the timing of prenatal care initiation and the number of visits after care was initiated, comparing the number of actual visits to the number of visits recommended by the American College of Obstetricians and Gynecologists. This index does not describe the quality of the care or adjust for maternal risk factors. Only singleton births are shown in these tables because twins and higher order births are typically higher risk pregnancies, and the index is not appropriate for summarizing their prenatal care usage.

- a) Inadequate: Prenatal care began after the fourth month of pregnancy or less than 50% of the expected prenatal care visits were attended

¹ Kotelchuck, M. An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index, American Journal of Public Health, 1994; 84(9):1414-1420.

- b) Intermediate: Prenatal care began before the fourth month and 50 to 70% of the expected visits were attended
- c) Adequate: Prenatal care began prior to the fourth month and 80-109% of expected visits were attended
- d) Adequate plus: Prenatal care began prior to the fourth month of pregnancy and 110% or more of the expected visits were attended

The following definitions related to reproductive health have been established by NCHS²:

- Birth or Live Birth – The complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy or birthweight which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.
- Birth Rate – Number of live births during a calendar year per 1,000 population.
- Births to Teenage Mothers – Live births occurring to females under age twenty.
- Birth Weight – The weight of a neonate determined immediately after delivery or as soon thereafter as possible.
- Low Birthweight – Any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).
- Very Low Birthweight – Any neonate weighing less than 1,500 grams at births (less than 3 pounds, 4 ounces).
- Preterm – Any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period.
- Infant Death – Any death at any time from birth up to, but not including, the first year of age (<365 days).
- Infant Mortality Rate – Number of infant deaths per 1,000 live births.
- Unlinked Infant Mortality – The number of infant deaths in a given calendar year, as determined from mortality records.
- Linked Infant Mortality – Whenever possible, infant death certificate data are linked to birth certificate information to determine parental, demographic and birth data. Not all infant deaths can be linked (up to 3% are lost to follow-up).

More Information

For more information on population and health statistics, please visit the following websites:

- Maricopa County Department of Public Health: http://www.maricopa.gov/Public_Health/
- Arizona Department of Health Services: www.hs.state.az.us
- Centers for Disease Control and Prevention, National Center for Health Statistics: www.cdc.gov/nchs
- Department of Economic Security: www.de.state.az.us

² NCHS guidelines were adopted from those established by the World Health Organization (WHO).